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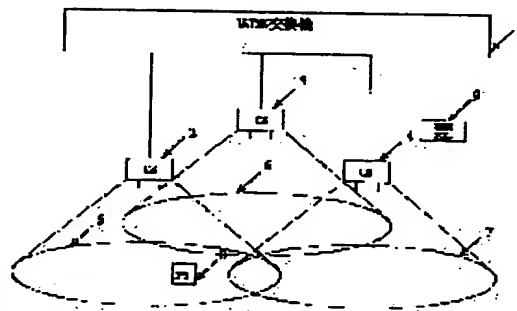
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## (54) RADIO TELEPHONE COMMUNICATION SYSTEM

## (57)Abstract:

**PURPOSE:** To shorten the disconnection time of communication at the time of the hand-over of a mobile station in a radio telephone communication system constituted of plural radio zones.

**CONSTITUTION:** A transmitter-receiver for a control channel and the transmitter-receiver for a communication channel are separated and the transmitter-receiver for the control channel receives the control signals. When reception electric field intensity is lowered during the communication, a mobile station 8 sends out signals for measuring the reception electric field intensity by the control channel and peripheral base stations 3 and 4 measure the reception electric field intensity by the signals for measuring the reception electric field intensity. A base station 2 during the communication decides a moving destination base station based on the measured result of the reception electric field intensity from the peripheral base stations 3 and 4, connects a communication line to the moving destination base station while the communication line with the base station 2 during the communication is continued and informs the mobile station of the moving destination base station after connection is completed. The mobile station 8 performs the hand-over to the moving destination base station and disconnects the communication line with the base station 2 during the communication after the hand-over is completed.



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